

Datasheet for ABIN3043598

**anti-c-MYC antibody (AA 257-439)****2** Images**13** Publications[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	c-MYC (MYC)
Binding Specificity:	AA 257-439
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This c-MYC antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Myc proto-oncogene protein(MYC) detection. Tested with WB in Human,Rat.
Immunogen:	E.coli-derived human c-Myc recombinant protein (Position: E257-A439). Human c-Myc shares 91% amino acid (aa) sequences identity with both mouse and rat c-Myc.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Myc proto-oncogene protein(MYC) detection. Tested with WB in Human,Rat.</p> <p>Gene Name: v-myc avian myelocytomatosis viral oncogene homolog</p> <p>Protein Name: Myc proto-oncogene protein</p>
Purification:	Immunogen affinity purified.

## Target Details

Target:	c-MYC (MYC)
Alternative Name:	Myc Proto-Oncogene protein ( <a href="#">MYC Products</a> )
Background:	<p>C-Myc is an oncogene that functions both in the stimulation of cell proliferation and in apoptosis. C-Myc elicits its oncogenic activity by causing immortalization, and to a lesser extent the transformation of cells, in addition to several other mechanisms. The c-MYC proto-oncogene encodes a transcription factor that is critical for cell growth and proliferation. It is one of the genes frequently altered in cancer cells in which it exhibits constitutive activity. Downregulation of c-Myc is critical for 2-Methoxyestradiol (2ME2)-induced oxidative stress and apoptosis in AML cells. And its up-regulation is important for promoting lymphocyte cell division, and demonstrating that GFP-c-Myc expression is a marker of proliferating lymphocytes in vivo.</p> <p>Synonyms: AU016757 antibody Avian myelocytomatosis viral oncogene homolog antibody bHLHe39 antibody c Myc antibody c Myc Epitope Tag antibody c Myc Tag antibody Class E basic helix-loop-helix protein 39 antibody MRTL antibody Myc antibody Myc Epitope Tag antibody Myc protein antibody Myc proto oncogene protein antibody Myc proto-oncogene protein antibody myc-related translation/localization regulatory factor antibody MYC_HUMAN antibody Myc2 antibody MYCC antibody Myelocytomatosis oncogene antibody Niard antibody Nird antibody Oncogene Myc antibody OTTHUMP00000158589 antibody Proto-oncogene c-Myc antibody Protooncogene homologous to myelocytomatosis virus antibody RNCMYC antibody Transcription factor p64 antibody Transcriptional regulator Myc-A antibody V-Myc avian myelocytomatosis viral oncogene homolog antibody v-myc myelocytomatosis viral oncogene homolog (avian) antibody</p>
Gene ID:	4609
UniProt:	<a href="#">P01106</a>
Pathways:	<a href="#">p53 Signaling</a> , <a href="#">Cell Division Cycle</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">Transition Metal Ion Homeostasis</a> , <a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Positive Regulation of Response to DNA Damage Stimulus</a> , <a href="#">Warburg Effect</a>

## Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, The detection limit for c-Myc is approximately 0.25 ng/lane under reducing conditions.
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## Application Details

Notes: Tested Species: Species with positive results.

Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Publications

Product cited in: Zhang, Chang, Zhao, Gao, Wang, Li, Zhang, Zhang, Xu: "The novel protein C9orf116 promotes rat liver cell line BRL-3A proliferation." in: **PLoS ONE**, Vol. 12, Issue 7, pp. e0180607, (2017) ([PubMed](#)).

Zhang, Chang, Li, Zhang, Xu: "The novel protein C3orf43 accelerates hepatocyte proliferation." in: **Cellular & molecular biology letters**, Vol. 22, pp. 21, (2017) ([PubMed](#)).

Hao, Wen, Li, Wang, Ni, Wang, Wang, Sun, Fan, Mao: "LiCl inhibits PRRSV infection by enhancing Wnt/β-catenin pathway and suppressing inflammatory responses." in: **Antiviral research**, Vol. 117, pp. 99-109, (2015) ([PubMed](#)).

Zhao, Li, Gao, Wang, Yan, Zhan, Liu, Mao, Chen, Wang et al.: "Design, synthesis and biological evaluation of N-alkyl or aryl substituted isoindigo derivatives as potential dual cyclin-dependent kinase 2 (CDK2)/glycogen synthase kinase 3? (GSK-3?) ..." in: **European journal of medicinal chemistry**, Vol. 86, pp. 165-74, (2014) ([PubMed](#)).

Wang, Gu, Wan, Zhu, Qiu, Weng, Yu, He: "Litopenaeus vannamei sterile-alpha and armadillo motif containing protein (LvSARM) is involved in regulation of Penaeidins and antilipopolysaccharide factors." in: **PLoS ONE**, Vol. 8, Issue 2, pp. e52088, (2013) ([PubMed](#)).

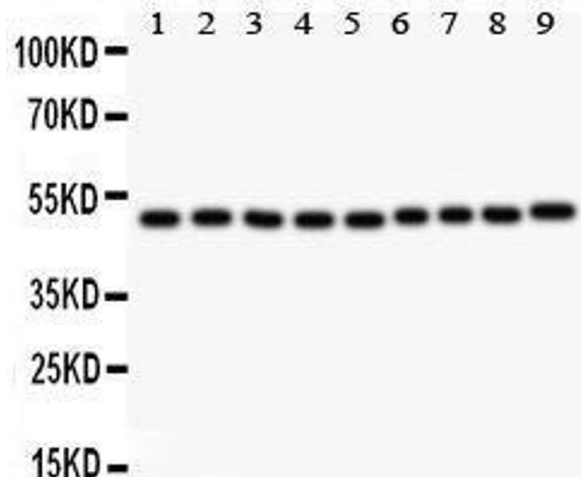
There are more publications referencing this product on: [Product page](#)

Images



Western Blotting

**Image 1.** Anti-c-Myc Picoband antibody, All lanes: Anti C-MYC at 0.5ug/ml WB: Recombinant Human C-MYC Protein 0.5ng Predicted bind size: 44KD Observed bind size: 44KD



Western Blotting

**Image 2.**